2019 MAY 22 AM 10: 49

#### **2018 CERTIFICATION**

Consumer Confidence Report (CCR)

#### SOUTH NEWTON RURAL WATER ASSOCIATION #1 & #4

Public Water System Name

#### MS0510010 & MS0510022

List PWS ID #s for all Community Water Systems included in this CCR

The Federal Safe Drinking Water Act (SDWA) requires each Community Public Water System (PWS) to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the PWS, this CCR

request. Make sure you follow the proper procedures when distributing the CCR. You must email, fax (but not preferred) or mail, a copy of the CCR and Certification to the MSDH. Please check all boxes that apply.
Customers were informed of availability of CCR by: (Attach copy of publication, water bill or other)
Advertisement in local paper (Attach copy of advertisement)
□ □ On water bills (Attach copy of bill)
☐ Email message (Email the message to the address below)
□ Other
Date(s) customers were informed: 5 / /5 /2019 / /2019 / /2019
CCR was distributed by U.S. Postal Service or other direct delivery. Must specify other direct delivery methods used
Date Mailed/Distributed: / /
CCR was distributed by Email (Email MSDH a copy)  Date Emailed: / /2019
L. L. As a LIRI
☐ As an attachment (Provide Direct URL)
☐ As text within the body of the email message
CCR was published in local newspaper. (Attach copy of published CCR or proof of publication)  Name of Newspaper:  **Record Record Recor
Date Published: 5 1/51 / 9
CCR was posted in public places. (Attach list of locations)  Date Posted: / /2019
Cold was posted on a publicly accessible internet site at the following address:
CERTIFICATION  I hereby certify that the CCR has been distributed to the customers of this public water system in the form and manner identified above and that I used distribution methods allowed by the SDWA. I further certify that the information included in this CCR is true of Health, Bureau of Public Water Supply  1. Compared to the PWS officials by the Mississippi State Department
Name Title (Board President, Mayor, Owner, Admin. Contact, etc.)  5/20/19
Submission options (Select one method ONLY)

Submission options (Select one method ONLY)

Mail: (U.S. Postal Service) MSDH, Bureau of Public Water Supply P.O. Box 1700 Jackson, MS 39215

Email: water.reports@msdh.ms.gov

Fax: (601) 576 - 7800 \*\* Not a preferred method due to poor clarity \*\*

CCR Deadline to MSDH & Customers by July 1, 2019!

# Annual Drinking Water Quality Report South Newton Rural Water Association #1 & #4 PWS ID # 0510010 & 0510022 April 2019

We're pleased to present to you this year's Annual Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source consists of a total of 6 wells that draw from the Sparta Sand Aquier.

A source water assessment has been completed for the water supply to determine the overall susceptibility of its drinking water to identify potential sources of contamination. The water supply for South Newton Rural Water Association received a lower susceptibility ranking to contamination.

We're pleased to report that our drinking water meets all federal and state requirements.

If you have any questions about this report or concerning your water utility, please contact Wayne Clanton at 601-917-4978. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the second Thursday on every month at the South Newton Rural Water office at 5:00 pm.

South Newton Rural Water Association routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2018. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Treatment Technique (TT) - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

#### SOUTH NEWTON RURAL WATER ASSOCIATION #1 - PWS ID# 0510010

				TEST R	ESULTS			
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic C	Contamin	ants						
10. Barium	N	2016*	.0765	No Range	Ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2016*	3.9	No Range	Ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	1/1/15 to 12/31/17	1.1	None	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
17. Lead	N	_1/1/15_to_ 12/31/17	8	None	_ppb	0	_AL=15_	-Corrosion of household plumbing—systems, erosion of natural deposits
Volatile Or	ganic Co	ontamina	nts					
76. Xylenes	N	2015*	.00172	No Range	ppm	10	10	Discharge from petroleum factories; discharge from chemical factories
Disinfectar	ts & Dis	infectant	By-Pro	ducts				
Chlorine (as Cl2)	N	1/1/18 to 12/31/18	1.00	0.80 to 1.00	ppm	4	4	Water additive used to control microbes
73. TTHM [Total Tri- halomethanes]	N	2016*	12.7	No Range	ppb	0	80	By-product of drinking water chlorination
HAA5	N	2016*	6	No Range	ppb	0	60	By-product of drinking water chlorination

<sup>\*</sup> Most recent sample results available

#### SOUTH NEWTON RURAL WATER ASSOCIATION #4 - PWS ID# 0510022

				TEST RE	ESULTS			
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic (	Contami	nants						
10. Barium	N	2016*	.0506	No Range	Ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2016*	1.6	No Range	Ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper		7/1/18 to 12/31/18	3.7	One	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
17. Lead		7/1/18 to 12/31/18	3	No Range	ppb	0	AL=15	Corrosion of household plouming systems, erosion of natural deposits
Disinfectar	ıts & Di	sinfectio	n By-Pr	oducts				
Chlorine (as Cl2)	N	1/1/18 to 12/31/18	1.00	0.80 to 1.00	ppm	4	4	Water additive used to control microbes
73. TTHM [Total tri- halomethanes]	N	2016*	5	No Range	ppb	0	80	By-product of drinking water chlorination
HAA5	N	2016*	1.0	No Range	ppb	0	60	By-product of drinking water chlorination

<sup>\*</sup>Most recent sample results available

#### SOUTH NEWTON RURAL WATER ASSOCIATION #4 - PWS ID#0510022

(14) Copper. Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.

#### SOUTH NEWTON RURAL WATER ASSOCIATION #4 - PWS ID#0510022

SIGNIFICANT DEFICIENCIES FOR PWS SOUTH NEWTON RURAL WATER ASSN ID#0510022 During a sanitary survey conducted on 11/15/17, the MississippiDepartment of Health cited the following significant deficiency(s):

Inadequate application of treatment chemicals and techniques. (Primary mcls) Corrective Actions:

This significant deficiency is within its initial 120d ay deadline to complete corrective actions by 3/19/2019.

#### Additional Information for Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. South Newton Rural Water Association is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing for \$10 per sample. Please contact 601.576.7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

This report being published in the paper will not be mailed. Please call our office if you have questions.

TOTAL

## PROOF OF PUBLICATION

#### STATE OF MISSISSIPPI COUNTY OF NEWTON

Personally came before me the undersigned authority, in and for the County and State aforesaid Brent Maze, who being by me duly sworn states on oath that had been county and State aforesaid Brent

Appeal, a newspaper publish been made in said paper	y sworn, states on oath ited in Newton County, Mi		r the County and S e Publisher of The copy of which is b	tate aforesaid Brent Newton County tereto attached, has
South Newton Rukal Water Association	Vol. No. 110  Vol. No. Vol. No. Vol. No. Publisher Signature:	No No No	Date 5/ Date Date Date Date	209 ,20 ,20 ,20 ,20
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### Annual Drinking Water Quality Report South Newton Rural Water Association #1 & #4 PWS ID # 0510010 & 0510022 April 2019

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				TEST R	ESULTS			
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Volatile Or	ganie Co	ontamina	nts					
7n Cylenes	N	2015*	00172	No Range	bleau	10	10	Dischurge trem petroleum factories dischurge from the meat lac ories
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Chloring (as	· ·	12/31/18	1.00	00.1 at 08.0	ppm	4	4	Water additive times to control
7: TIMM Total Tri- halomathunesi	N	2016"	12.7	No Кацая	ppb	0	Kij	By-product or dinnking water chlorination
HAAS	N	3016-	6	No Range	bbp	.0	60	By-productor drinking water colorination

#### SOUTH NEWTON RURAL WATER ASSOCIATION #4 - PWS ID# 0510022

				TEST RE	ESULTS			
Continues	Violation	Contact and	Detected	Prangal of Dates to only of Managain Proceeding	Meagurement	MELG	MCT	Likely Source of Curraminamia
Inorganie	Contami	nants						
APR TRANSPORT	1 1/2	2010*	.0506	No Runge	17'pm	2.1	2	Discharge of criffing whater

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RETURN THIS STUB WITH PAYMENT TO:

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PHESORTED FIRST-CLASS MAIL U.S. POSTAGE PAID PERMIT NO. 44 NEWTON, MS

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FOR 2018 AVAILABLE IN OFFICE

RETURN SERVICE REQUESTED

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Some people may be more you compromed to comprome auch as transplants, poople with HTV.

narcholological consumments are available from the Safe Drinking Water Houline (800-426-4791).

This report boths published in the busine will not be mailed Phases and man on a